

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

## PATENT APPLICATION

ATTORNEY DOCKET NO. 200300840-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): B. Mark Hirst

Application No.: 10/763664

Filing Date: Jan 23, 2004

Title: Alternating Current Switching Circuit

Confirmation No.: 9388

Examiner: Not assigned

Group Art Unit: 2876

RECEIVED  
CENTRAL FAX CENTER

JUN 02 2005

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:  
This Information Disclosure Statement is submitted:

- ( ) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97 (c) together with either a:  
(X) Statement under 37 CFR 1.97(e), or  
( ) a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ( ) under 37 CFR 1.97 (d) together with a:  
( ) Statement under 37 CFR 1.97(e)(1) or (2), and  
( ) a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

- ( ) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: \_\_\_\_\_

OR

- (X) I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number (703) 872-9306 on Jun 2, 2005  
Number of pages: 13

Typed Name: Bridgett Barnett

Signature: 

Respectfully submitted,

B. Mark Hirst

By: 

Gregg W. Wisdom

Attorney/Agent for Applicant(s)  
Reg. No. 40,231

Date: Jun. 2, 2005

Telephone No.: 360 212 8052  
CSD:360 212 3060 • DURATION (mm-ss):06-00

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

RECEIVED  
CENTRAL FAX CENTER

JUN 02 2005

PATENT APPLICATION

ATTORNEY DOCKET NO. 200300840-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): B. Mark Hirst

Application No.: 10/763864

Filing Date: Jan 23, 2004

Title: Alternating Current Switching Circuit

Confirmation No.: 9388

Examiner: Not assigned

Group Art Unit: 2816

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

(X) Each item of information contained in the Information Disclosure Statement was cited for the first time in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or

( ) No item of information contained in the Information Disclosure Statement

-- was cited in a communication from a foreign patent office in a counterpart foreign application, and

-- to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

B. Mark Hirst

By



Gregg W. Wisdom

Attorney/Agent for Applicant(s)

Reg. No. 40,231

Date: Jun. 2, 2005

Telephone No.: (360) 212-8052

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. DEPARTMENT OF COMMERCE

Approved for use through 07/31/2006. OMB 0551-0007  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
No other markings or statements are required on this form unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it bears a heading that reads **Complete if Known**.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/763,664
Filing Date	Jan. 23, 2004
First Named Inventor	B. Mark Hirst
Art Unit	2816
Examiner Name	Not assigned
Attorney Docket Number	200300840-1

Sheet 1 of 2

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

Date	Considered
------	------------

Examiner Signature	Considered
--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

PTO/SB/08B (08-03)

1405-108 through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
This document contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a currently valid OMB control number. **Complete if Known**

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	10/763,664
--------------------	------------

<b>Filing Date</b>	Jan. 23, 2004
--------------------	---------------

First Named Inventor	B. Mark Hirst
----------------------	---------------

Art Unit	2816
----------	------

Examiner Name	Not assigned
---------------	--------------

Attorney Docket Number	200300840-1
------------------------	-------------

Sheet	2	of	2
-------	---	----	---

**NON PATENT LITERATURE DOCUMENTS**

[illegible]

**Examiner  
Signature**

**Date  
Considered**

Examiner Signature	Considered
--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not in their favor with next communication to applicant.

Place a check mark here if English language Translation is attached.

\*EXAMINER: Initial if reference considered, whether or not citation is considered to be pertinent.  
considered. Include copy of this form with next communication to applicant.  
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
1 Applicant's unique citation designation number (optional). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO  
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO  
to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including  
gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the  
amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and  
Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
1-800-577-9199 (1-800-786-9199) and select option 2.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*